

ABSTRACT

A negative planographic printing plate comprising a substrate carrying thereon a recording layer which contains a polymerizable compound and an infrared absorbing agent, and in which a polymerization reaction caused the action of light or heat decreases solubility in an alkali developer, wherein the optical density of said recording layer is from 0.4 to 2.0, and the film hardness of the upper part of said recording layer after reduction in solubility in an alkali developer due to the action of light or heat is higher than the average film hardness of the whole recording layer, and a preferable method of producing the same.